

HOV Pooled-Fund Study

HOV Facility Inventory and Clearinghouse

Project Presentation



Presentation

- HOV Pooled-Fund Study
- Clearinghouse Objectives/Audience
- Overview of Clearinghouse and Inventory
- Other HOV Pooled-Fund Study Projects



HOV Pooled-Fund Study

Objectives

- Identify Issues Common Among Agencies
- Suggest Projects and Initiatives
- Select and Initiate Projects
- Disseminate Reports
- Assist in Solution Deployment
- Track Innovations and Practices



HOV Pooled-Fund Study

Participating State Transportation Agencies

✓ California

✓ Georgia

✓ Maryland

✓ Massachusetts

✓ Minnesota

✓ New Jersey

✓ New York

✓ Tennessee

✓ Virginia

✓ Washington

Federal Highway Administration (FHWA)



Website Developer

URS Corporation

- Jeff Benson
- Dr. Ming-Shiun Lee

URS



Project Objectives

- Develop a comprehensive and interactive database of HOV facilities in North America and American territories
- Develop a web-based repository of HOV-related documents and products



Project Deliverables

- HOV Facility Inventory
- HOV Clearinghouse Website
- Outreach Material – Project Fact Sheet, Frequently Asked Questions, PowerPoint Presentation

HOVpfs

High Occupancy Vehicle Pooled Fund Study

HOV Clearinghouse and Inventory

Project Fact Sheet – Nov 07

Purpose

High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) lanes are an effective tool in increasing throughput on congested roadways. While there is a substantial amount of material available on HOV-related topics, it had not previously been compiled in one location to provide a comprehensive reference resource or forum to exchange information. Searching for HOV-related material from a variety of sources was a time-consuming task and missing a hard-to-find document could result in critical information being missed.



The HOV Pooled Fund Study (PFS) decided to create the HOV Clearinghouse website to compile this information in one central location to make it easier for users to find and use the information. The HOV Clearinghouse website provides a central repository of HOV-related information, documentation, and products, including a comprehensive inventory of HOV facilities in the United States and Canada. It is intended to be a one-stop location for HOV-related information. It houses up-to-date published information and facility data provides a user forum to facilitate information exchange and sharing among HOV practitioners. This clearinghouse is a tool for anyone who is interested in any facet of HOV facilities and operations – the public, transportation and transit agency professionals, enforcement staff, and transportation planners.

Key Features of the Clearinghouse

There are two main products of this effort – an HOV Facility Inventory and the HOV Clearinghouse website itself.

The goal of the HOV Pooled-Fund Study (HOV PFS) is to assemble regional, state, and local agencies, and the Federal Highway Administration (FHWA) to:

- ❖ Identify issues that are common among agencies;
- ❖ Suggest protect and mitigate;
- ❖ Select and implement projects intended to address identified issues;
- ❖ Disseminate results; and
- ❖ Assist in solution deployment.

Participating state transportation agencies include California, Georgia, Maryland, Massachusetts, Minnesota, New Jersey, New York, Tennessee, Virginia, and Washington.

HOV Facility Inventory

The HOV facility inventory builds on multiple existing databases and combines information on all existing and planned HOV facilities in over 30 metropolitan areas in the United States and Canada. The inventory includes both arterial and freeway facilities. The inventory includes information on:

State	Agency	Facility Type	Location	Year	Notes
California	Caltrans	Freeway	San Francisco	2005	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2006	HOV 2+ lane
California	Caltrans	Freeway	Los Angeles	2007	HOV 3+ lane
California	Caltrans	Arterial	San Diego	2008	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2009	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2010	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2011	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2012	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2013	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2014	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2015	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2016	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2017	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2018	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2019	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2020	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2021	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2022	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2023	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2024	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2025	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2026	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2027	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2028	HOV 2+ lane
California	Caltrans	Freeway	San Jose	2029	HOV 3+ lane
California	Caltrans	Arterial	San Jose	2030	HOV 2+ lane



Audiences

- Clearinghouse and Inventory – Transportation Professionals Responsible for HOV Facilities and the Public
- Outreach Material – Agency Management Personnel and Policy Makers

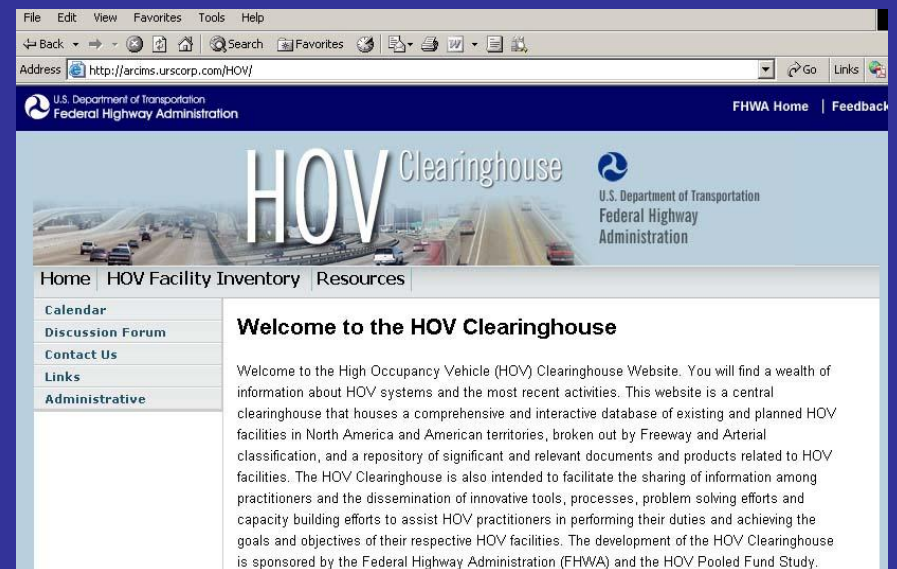


Clearinghouse Overview

Access the Clearinghouse from

http://hovpfs.ops.fhwa.dot.gov/cfprojects/new_detail.cfm?id=50&new=0

- Top Menu
 - Home
 - Facility Inventory
 - Resources
 - Calendar
 - Discussion Forum
 - Contact
 - FAQs
 - Links
 - Administrative



Inventory

- Consolidated existing databases
- Includes existing and planned facilities
- Includes highway and arterial facilities
- Includes US, US Territories, and Canada



Inventory Data

- Location/Route Information
 - State/Province (e.g. North Carolina)
 - City/County (e.g. Charlotte/Mecklenburg)
 - Urban Area (e.g. Charlotte)
 - Road (e.g. I-77)
 - Segment (e.g. I-277 to I-485)
- Facility Information
 - Type (e.g. Concurrent flow)
 - Separation (e.g. Pavement markings)
 - Intermediate Access (e.g. Continuous)
 - Date Opened (e.g. 2004)
 - Status (e.g. Open)



Inventory Data (cont.)

- Facility Information (cont.)
 - No. of HOV Lanes
 - No. of General Purpose Lanes
 - Length (in km and miles; and in lane-km and lane-mile)
 - Eligibility (HOV, Toll, Motorcycle, Taxi, Special Fuel, Others)
 - Hours of Operations
 - Changes Since Opening
- Volumes
 - HOV Peak Hour Volumes (by AM and PM Peaks, and by Carpool, Bus, and Others)
 - HOV Peak Hour Persons (by Carpool, Bus, and Others)
 - Peak Hour Volumes in GP Lanes



Inventory Data (cont.)

- Violation and Fines
 - Peak Hour HOV Lane Violators and Violation Rate
 - Violation Penalty
 - Fine Revenue
- Other Information
 - Peak Hour Travel Time Savings in HOV Lane
 - Responsible Agency
 - Internet Site
 - Agency Contact
 - Other Notes



Inventory – Customized Report

- Basic Search
- Advanced Search

This screenshot shows the 'Basic Search' interface of the HOV Clearinghouse. The page header includes the FHWA logo and navigation links. A left sidebar contains a menu with items like 'Calendar', 'Discussion Forum', 'Contact Us', 'FAQ', 'Login', 'Logoff', and 'Links'. The main content area is divided into three sections: 'Simple Search', 'Advanced Search', and 'Report Format'. The 'Simple Search' section is active, showing filters for 'Classification' (Highway Facilities, Arterial Facilities, All Facilities), 'Status' (Existing Facilities, Planned Facilities, All Facilities), and 'Search By' (State/Province, Road, Periods of Operation, Number of HOV Lanes, Eligibility, Facility Type, Separation). The 'Report Format' section has a 'Web Report' button and a 'Run Report' button.

This screenshot shows the 'Advanced Search' interface of the HOV Clearinghouse. It features the same header and sidebar as the basic search page. The 'Advanced Search' section is active, providing more detailed filters. In addition to the 'Simple Search' filters, it includes 'Additional Details' such as 'Urban Area' (Atlanta, Austin, Bay Area), 'City/County' (Alameda County, Alexandria, Austin), 'Route Length' (Mile, km), 'Lane Length' (Mile, km), and various vehicle types (Responsible Agency, Contact, Internet Site, Violation Rate, Violation Penalty, Fine Revenue, Toll, Motorcycle, Taxi, Special Fuel, Others). The 'Report Format' section remains the same.



Other Clearinghouse Features

- Resource Page holds variety of HOV documents and products

HOV Pooled Fund Study

The goal of the HOV Pooled Fund Study (1995-2000) is to assemble regional, state, and local agencies, and the Federal Highway Administration (FHWA) to:

- Identify common issues among agencies
- Suggest projects and initiatives
- Select and initiate projects to address issues
- Disseminate results
- Assist in solution development
- Track innovations and practices

HOVpfs.ops.fhwa.dot.gov

Join us!

Membership in the HOV Pooled Fund Study consists of ten states plus the Federal Highway Administration. Any non-commercial agency or organization may join at anytime during the year by committing funds at a level deemed appropriate by the members. Members meet annually to review progress on current projects and to vote on new projects for consideration.

Membership applications are accepted anytime online at: <http://www.pooledfund.org/>









Developed for FHWA by the Texas Transportation Institute



10TH International Conference on High-Occupancy Vehicle Systems

Conference Proceedings
August 27-30, 2000
Dallas, Texas

HOVpfs
High Occupancy Vehicle Pooled Fund Study

HOV Lane Enforcement Handbook

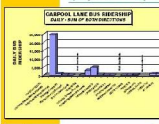
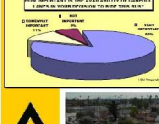
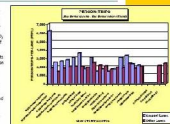
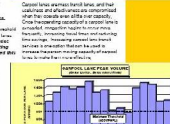



HOV Performance

By Carpool lanes are important to bus transit.

HOV Performance


By Carpool lanes don't have to look full to be effective.

HOV Performance Evaluation

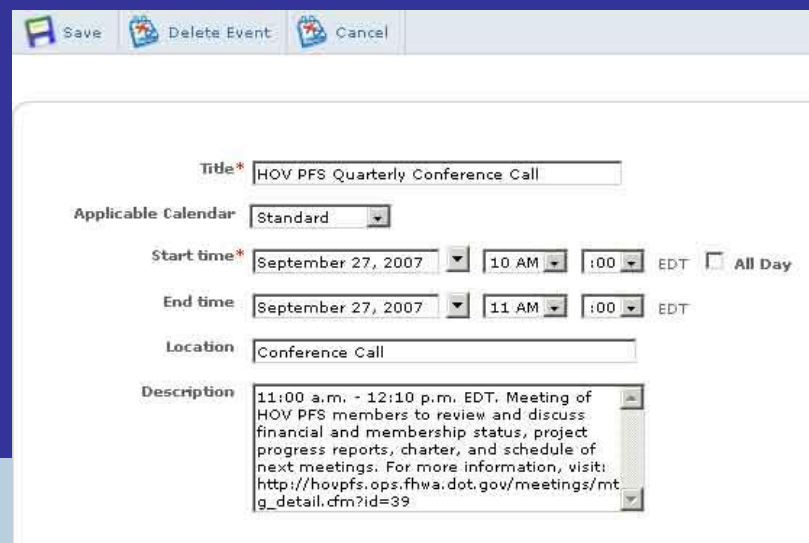


HOV Pooled-Fund Study




Other Clearinghouse Features (cont.)

- Calendar
- Discussion Forum



Save Delete Event Cancel

Title*

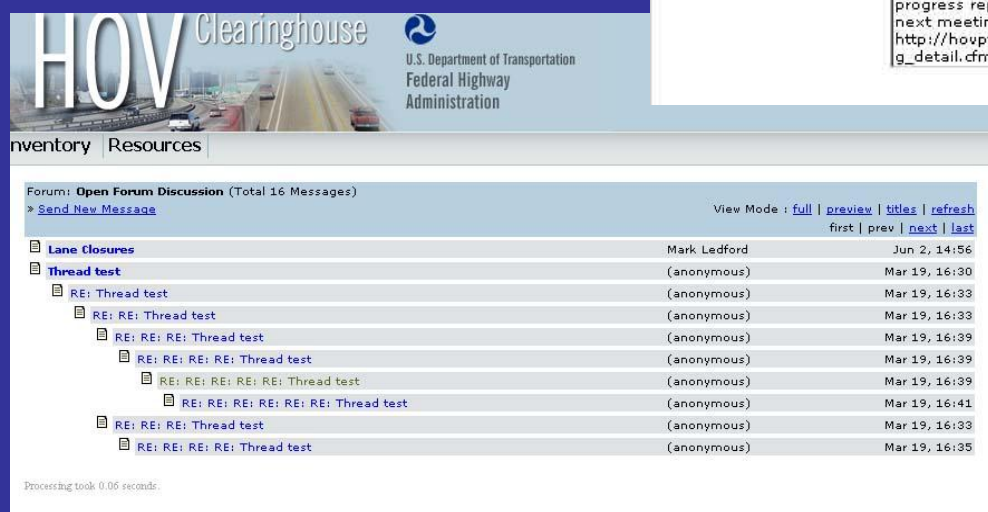
Applicable Calendar

Start time* EDT ☐ All Day

End time EDT

Location

Description



HOV Clearinghouse
U.S. Department of Transportation
Federal Highway Administration

Inventory Resources

Forum: **Open Forum Discussion** (Total 16 Messages)
[Send New Message](#)

View Mode: [full](#) | [preview](#) | [titles](#) | [refresh](#)
[first](#) | [prev](#) | [next](#) | [last](#)

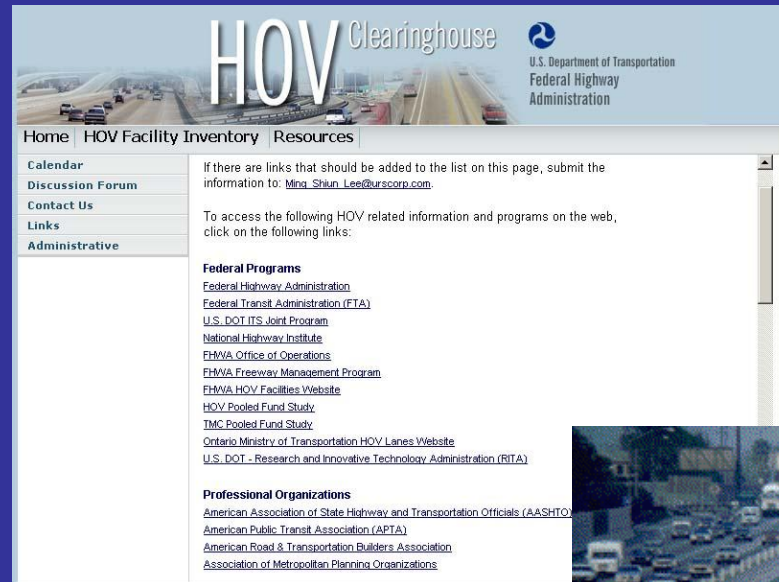
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Lane Closures	Mark Ledford	Jun 2, 14:56
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RE: Thread test	(anonymous)	Mar 19, 16:33
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RE: RE: RE: Thread test	(anonymous)	Mar 19, 16:39
RE: RE: RE: RE: Thread test	(anonymous)	Mar 19, 16:39
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RE: RE: RE: Thread test	(anonymous)	Mar 19, 16:33
RE: RE: RE: RE: Thread test	(anonymous)	Mar 19, 16:35

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Other Clearinghouse Features (cont.)

- FAQ
- Links
- Login



Other HOV Pooled-Fund Study Projects

- HOV Lane Performance Monitoring, Evaluating, and Reporting Handbook
- HOV Lane Safety Considerations Handbook
- HOV Lane Enforcement Handbook
- HOV Lane Eligibility Requirements and Operating Hours Handbook
- Automated Vehicle Occupancy Technologies Study
- Implications of Pricing on Existing HOV Lanes



HOV Pooled-Fund Study

Website

- <http://hovpfs.ops.fhwa.dot.gov>

Contact Information

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